



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVR-E3-B-N-M1-R5  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13307  
Date: July 17, 2015

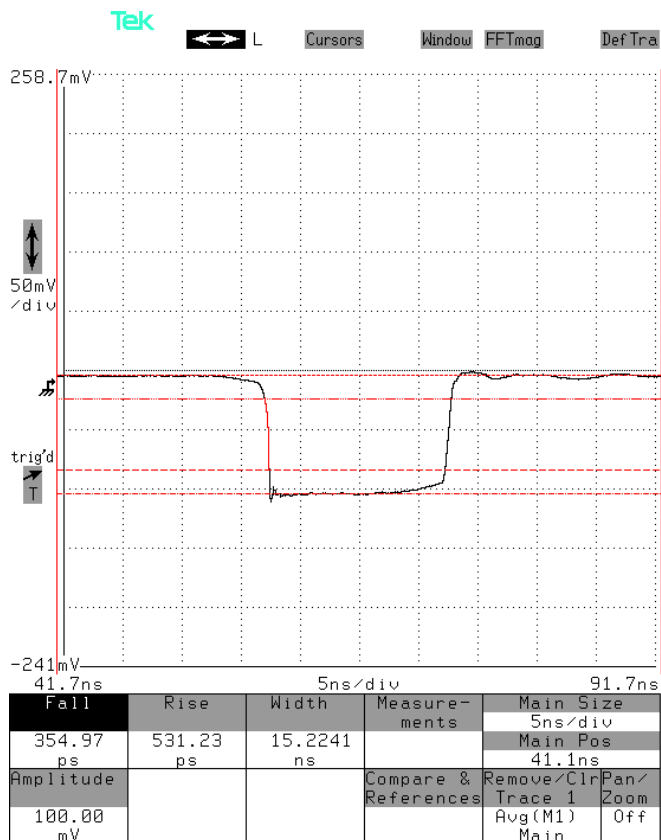
Output Amplitude: Up to -100V, to 50Ω  
Pulse Width (FWHM): 20 – 500 ns  
Rise Time (20%-80%): ≤ 500 ps  
Fall Time (80%-20%): ≤ 1 ns  
PRF: 1 Hz – 50 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

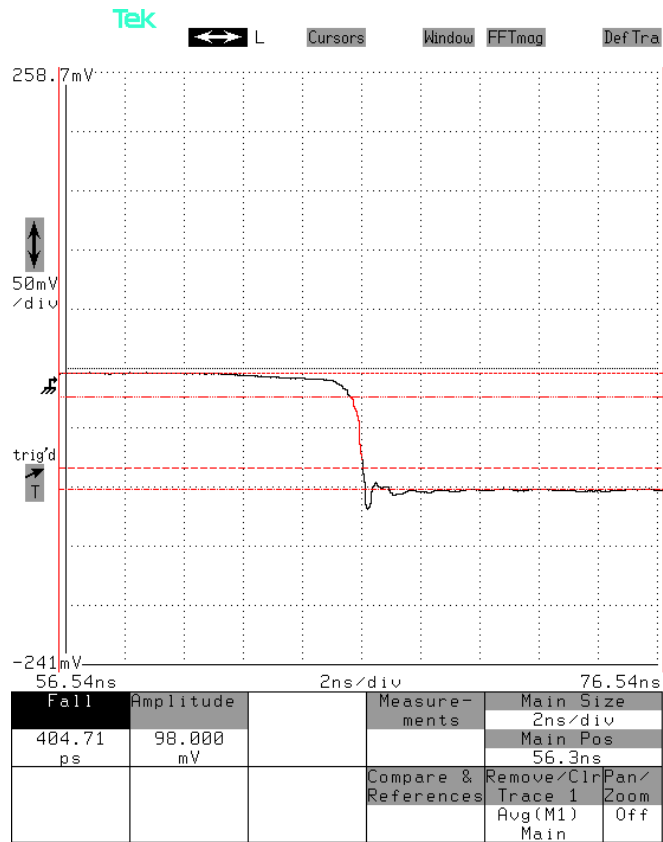
Full pulse at 50 kHz, < 20 ns, -100V,  
5 ns/div. 50 V/div (50 mV/div × 60 dB):

Full pulse at 10 kHz, 500 ns, -100V,  
100 ns/div. 50 V/div (50 mV/div × 60 dB):



Leading edge at 10 kHz, 500 ns, -100V,

2 ns/div. 50 V/div (50 mV/div × 60 dB):



Trailing edge at 10 kHz, 500 ns, -100V,

5 ns/div. 50 V/div (50 mV/div × 60 dB):

